PHARMACOPŒIA

OF THE

HOSPITAL

FOR

DISEASES OF THE THROAT

SIXTH EDITION

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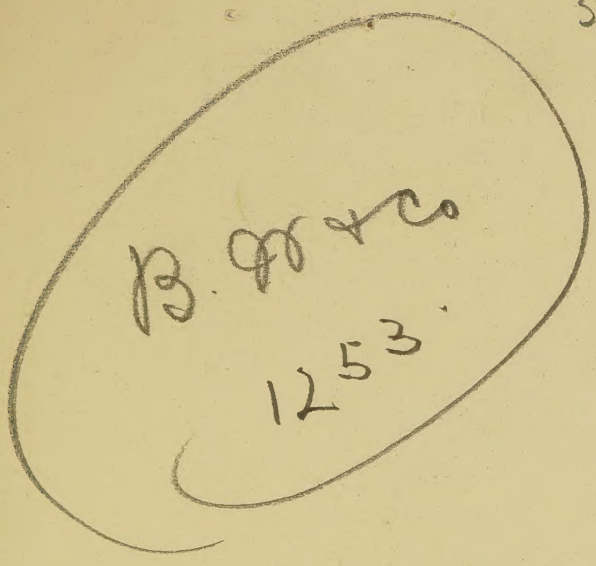

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THE PHARMACOPŒIA

OF THE

HOSPITAL FOR DISEASES OF THE THROAT, NOSE, AND EAR

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THE PHARMACOPŒIA

OF THE

HOSPITAL FOR DISEASES OF THE THROAT, NOSE, AND EAR

(*GOLDEN SQUARE*)

EDITED BY

H. LAMBERT LACK, M.D.

AND

CHARLES A. PARKER, F.R.C.S. Ed.

Surgeons to the Hospital

SIXTH EDITION

LONDON

J. & A. CHURCHILL

7 GREAT MARLBOROUGH STREET

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HOSPITAL FOR DISEASES OF THE THROAT,

GOLDEN SQUARE, LONDON, W.

(FOUNDED BY MORELL MACKENZIE, 1863.)

Consult. Surg.—T. MARK HOVELL, F.R.C.S. Edin.

HONORARY MEDICAL STAFF.

J. W. BOND, M.D., B.S. Lond. Wednesday, 2.30 p.m.

F. G. HARVEY, F.R.C.S. Edin. Monday, 2.30 p.m.

H. LAMBERT LACK, M.D. Lond., F.R.C.S. Tuesday, 2.30 p.m.

CHARLES A. PARKER, F.R.C.S. Edin. Friday, 2.30 p.m. Monday, 9.30 a.m.

HERBERT TILLEY, M.D., B.S. Lond., F.R.C.S. Thursday, 2.0 p.m.

ST. CLAIR THOMSON, M.D. Lond., M.R.C.P., F.R.C.S. Saturday, 2 p.m.

H. W. FITZGERALD POWELL, M.D., F.R.C.S. Edin. Tuesday, 6.30 p.m.

C. J. HEATH, F.R.C.S. Friday, 6.30 p.m.

Dental Surgeon.

W. H. DOLAMORE, M.R.C.S., L.R.C.P., L.D.S.R.C.S. Friday, 9.30 a.m.

THE Hospital contains forty beds for In-patients. There is also an Out-patient attendance of

nearly 50,000 yearly. Operations daily (except on Mondays) at 10 a.m.

Practitioners and Medical Students are admitted to the Practice of the Hospital at a fee of three guineas for a three months' and five guineas for a six months' course, or seven guineas for a Perpetual Studentship. Each course may commence at any date.

Students must provide their own Laryngoscopes and other instruments necessary for the examination of patients.

Clinical Instruction in the Diagnosis and Treatment of Disease is given daily in the Outpatient Department from 2.30 to 5 p.m., and also on Tuesdays and Fridays from 7 to 10 p.m. as well as in the afternoon.

Systematic Courses of Lectures with Clinical and Pathological Demonstrations are given in the Winter Session, the dates of which are advertised in the medical journals. The fee for each course of lectures is one guinea, but they are free to students of the Hospital.

From amongst the students Junior Clinical Assistants are selected, whose duty it is to assist the member of the staff to whom they are appointed. Students are also eligible for the posts of Senior Clinical Assistants, on whom considerable responsibility falls.

CHARLES A. PARKER, *Dean.*

PREFACE TO SIXTH EDITION

At the request of our colleagues and with their co-operation we have prepared a Sixth Edition of the Hospital Pharmacopœia. Although considerable alterations have become necessary, it is based upon the former editions which were compiled by the late Sir Morell Mackenzie.

The Pharmacopœia has been considerably reduced in size owing chiefly to the fact that recent advances in the Surgery of affections of the Nose and Throat have rendered obsolete many methods of treatment formerly carried out by the patients, and the formulæ for these methods have accordingly been omitted. Further, all formulæ which are comprised in the British Pharmacopœia have been excluded.

The recent introduction of several new drugs of proved efficacy has rendered it necessary to add many fresh formulæ. The most important

additions will be found in the nasal douches, local anæsthetic solutions, and mixtures and pills for internal use.

The Metric System of weights and measures has been introduced alongside the old system, the quantities in each formula being given in both the old and metric systems in order to render the Pharmacopœia more universally useful, and especially to foreign visitors.

The quantities given under the Metric System are not the exact equivalent of those of the old system, but, saving fractional differences, a preparation made up by both systems will contain the same proportion of ingredients.

The Pharmacopœia is arranged throughout in alphabetical order, thus rendering an index unnecessary.

In accordance with recent advances in Pharmacology, many of the formulæ, particularly for lotions, douches, &c., have been especially arranged so that they can be prescribed in the form of compressed tablets, a form found convenient both for patient and dispenser.

The diet table, which was originally adapted

from that of the London Hospital, has been entirely revised.

It gives us much pleasure to embrace this opportunity for acknowledging our indebtedness to our colleagues for their valuable assistance. We must further acknowledge the great assistance we have received from Mr. S. W. Ord, of Messrs. Bullock & Co., and from Messrs. Burroughs & Wellcome. Mr. Ord has given us much judicious advice, more especially on many pharmacological points, and he has undertaken the task of converting the English weights and measures into the Metric System. Messrs. Burroughs & Wellcome have advised us on the suitability of various formulæ for compression into tablet form, and have made other useful suggestions.

H. L. L.
C. A. P.

ABBREVIATIONS.

To enable us to introduce the Metric System without altering the size of the present Pharmacopœia, the following abbreviations have been adopted throughout:

gr. = grain or grains.
m. = minim or minims.
dr. = fluid drachm or drachms.
oz. = fluid ounce or ounces.
q.s. = quantum sufficit, or as much as is sufficient.
gm. = gramme.
c.c. = cubic centimetre.

FORMULÆ.

CAUSTICA—CAUSTICS.

The following caustic applications are intended for the surgeon's use only, and must not be intrusted to the patient.

*Acidum Chromicum.

Used as a saturated solution by means of a capillary probe, or on a cotton-wool pledget, or as crystals fused on a silver carrier.

*Acidum Nitricum.

To be applied pure by means of a fine glass rod.

*Acidum Trichloraceticum.

To be applied by means of a small pledget of cotton-wool on a probe.

*Argenti Nitras.

The salt is melted in a porcelain crucible, over a spirit lamp, and fused on to a slender silver probe.

The use of ordinary *Porte-caustiques* is always

---

* For the surgeon's use only.

attended with the risk of a portion of the caustic becoming detached and falling into the throat; hence the method of employing the solid Nitrate, here described.

*Liquor Hydrargyri Nitratis Acidus.

This is best applied by means of a fine orange-wood stick

COLLUNARIA—NASAL WASHES.

These lotions, most of which are intended for cleansing the nose, may be used as simple hand washes, or by means of a syringe, nasal irrigator or spray. The nasal douche or any apparatus on the siphon principle is to be avoided, the great and continuous pressure exerted rendering their use dangerous. The method most generally to be recommended is to sniff the lotion from the palm of the hand or from a shallow cup or bowl up through the nose, letting it pass well into the throat and returning it through the mouth. It should be practised before rather than after meals, as it may excite retching or even vomiting. About an ounce and a half of solution should be used at each time, and it should be employed comfortably warm (about 90° F. or 32·2° C.). The use of the nasal irrigator may often conveniently be substituted for the above.

When more force is required and the above method is impracticable, the syringe should be used. A small rubber ball syringe is most convenient. The stream

* For the surgeon's use only.

of fluid should be directed straight back along the inferior meatus and the patient should open and breathe through his mouth whilst bending the head forward over a bowl. Care must be taken not to use much force, or fluid may enter the Eustachian tubes and set up acute otitis. This method is especially suitable for children and young infants.

A spray may also be used, but is not nearly so effectual as the above. An instrument giving as coarse a spray as possible should be chosen.

For the sake of convenience the formulæ of many of these preparations have been adjusted so that they can be prepared and dispensed in the form of compressed dry tablets. Such formulæ are distinguished by a †.

†Collunarium Alkalinum.

℞ Bicarbonate of Sodium . .	3 gr. = 0·21 gm.
Borax	3 gr. = 0·21 gm.
Carbolic Acid	1 gr. = 0·07 gm.
White Sugar	5 gr. = 0·34 gm.
Water	to 1 oz. = 30 c.c.

Dissolve.

Use.—Detergent.

†Collunarium Alkalinum Compositum.

℞ Bicarbonate of Sodium . .	2 gr. = 0·14 gm.
Borax	2 gr. = 0·14 gm.
Chloride of Sodium . .	2 gr. = 0·14 gm.
White Sugar	5 gr. = 0·34 gm.
Water	to 1 oz. = 30 c.c.

Dissolve.

Use.—Detergent.

†Collunarium Ammonii Chloridi.

℞ Chloride of Ammonium	.	5 gr. = 0·34 gm.
Chloride of Sodium	. .	3 gr. = 0·21 gm.
White Sugar . . .	.	5 gr. = 0·34 gm.
Water . . .	.	to 1 oz. = 30 c.c.

Dissolve.

Use.—Stimulant.

Collunarium "Antipyrine."

℞ Antipyrine . . .	.	5 gr. = 0·34 gm.
Sulphate of Zinc . .	.	½ gr. = 0·034 gm.
Liquid Extract of Hamamelis		30 m. = 1·87 c.c.
Water . . .	.	to 1 oz. = 30 c.c.

Dissolve and mix.

Use.—Astringent.

Collunarium Benzoini.

℞ Compound Tincture of Benzoin		5 m. = 0·31 c.c.
Borax . . .	.	5 gr. = 0·34 gm.
White Sugar . .	.	5 gr. = 0·34 gm.
Water . . .	.	1 oz. = 30 c.c.

Dissolve and mix.

Use.—Sedative.

†Collunarium Boracis.

℞ Borax . . . . . 5 gr. = 0·34 gm.
Chloride of Sodium . . 5 gr. = 0·34 gm.
White Sugar . . . . . 5 gr. = 0·34 gm.
Water . . . . . 1 oz. = 30 c.c.
Dissolve.

Use.—Mild stimulant.

Collunarium Boracis cum Spiritu.

℞ Glycerine of Borax . . 10 m. = 0·62 c.c.
Rectified Spirit . . . 10 m. = 0·62 c.c.
Water . . . . . 1 oz. = 30 c.c.
Mix.

Use.—Mild astringent.

Collunarium Boro-Glyceride.

℞ Boro-Glyceride . . . 30 gr. = 2·06 gm.
Chloride of Sodium . . 5 gr. = 0·34 gm.
Water . . . . . 1 oz. = 30 c.c.
Dissolve.

Use.—Antiseptic.

Collunarium "Creolin."

℞ Creolin . . . . . 5 m. = 0·31 c.c.
Chloride of Sodium . . 5 gr. = 0·34 gm.
Water . . . . . 1 oz. = 30 c.c.
Mix.

Use.—Antiseptic.

†Collunarium Eucalypti Compositum.

℞ Bicarbonate of Sodium . 4 gr. = 0·27 gm.
Borax . . . . . 4 gr. = 0·27 gm.
Benzoate of Sodium . . $\frac{1}{6}$ gr. = 0·011 gm.
Eucalyptol . . . . $\frac{1}{12}$ m. = 0·006 c.c.
Menthol . . . . $\frac{1}{24}$ gr. = 0·003 gm.
Water . . . . to 1 oz. = 30 c.c.
Dissolve and mix.

Use.—Detergent and antiseptic.

Collunarium "Hazelin."

℞ Hazelin . . . . . 20 m. = 1·25 c.c.
Borax . . . . . 5 gr. = 0·34 gm.
Glycerin . . . . . 5 m. = 0·31 c.c.
Water . . . . . 1 oz. = 30 c.c.
Dissolve and mix.

Use.—Astringent.

†Collunarium Hydrargyri Perchloridi.

℞ Perchloride of Mercury . $\frac{1}{8}$ gr. = 0·008 gm.
Chloride of Ammonium . $\frac{1}{4}$ gr. = 0·017 gm.
Water . . . . to 1 oz. = 30 c.c.
Dissolve.

Use.—Antiseptic.

N.B.—This preparation must be used with great care, and the patient must be cautioned against swallowing it.

†Collunarium Menthol Compositum.

℞ Chloride of Sodium	. .	$3\frac{1}{2}$ gr. = 0·24 gm.
Borax	. . . .	$1\frac{1}{2}$ gr. = 0·1 gm.
Benzoate of Sodium	. .	$\frac{1}{4}$ gr. = 0·017 gm.
Menthol	. . . .	$\frac{1}{100}$ gr. = 0·0007 gm.
Hydrochloride of cocaine	.	$\frac{1}{12}$ gr. = 0·006 gm.
Water	. . . .	1 oz. = 30 c.c.

Dissolve.

Use.—Mild stimulant.

†Collunarium Phenol Compositum.

℞ Bicarbonate of Sodium	.	6 gr. = 0·41 gm.
Carbolic Acid	. . .	$\frac{3}{4}$ gr. = 0·051 gm.
Chloride of Sodium	. .	1 gr. = 0·07 gm.
Water	. . . .	1 oz. = 30 c.c.

Dissolve.

Use.—Detergent.

†Collunarium Phosphatis Compositum.

℞ Phosphate of Sodium	. .	$\frac{1}{4}$ gr. = 0·017 gm.
Sulphate of Sodium	. .	$2\frac{1}{2}$ gr. = 0·17 gm.
Chloride of Sodium	. .	$1\frac{1}{2}$ gr. = 0·1 gm.
Bicarbonate of Sodium	.	$\frac{1}{2}$ gr. = 0·034 gm.
Phosphate of Potassium	.	$\frac{1}{4}$ gr. = 0·017 gm.
Water	. . . .	1 oz. = 30 c.c.

Dissolve.

Use.—Detergent.

†Collunarium Potassii Chloratis.

℞ Chlorate of Potassium . . $2\frac{1}{2}$ gr. = 0·17 gm.
Borax . . . . . $2\frac{1}{2}$ gr. = 0·17 gm.
Bicarbonate of Sodium . . $2\frac{1}{2}$ gr. = 0·17 gm.
White Sugar . . . 5 gr. = 0·34 gm.
Water . . . . . 1 oz. = 30 c.c.
Dissolve.

Use.—Stimulant.

Collunarium Potassii Permanganatis.

℞ Permanganate of Potassium $\frac{1}{8}$ gr. = 0·008 gm.
Chloride of Sodium . . 5 gr. = 0·34 gm.
Water . . . to 1 oz. = 30 c.c.
Dissolve.

Use.—Detergent.

Collunarium "Sanitas."

℞ Sanitas . . . . . 30 m. = 1·87 c.c.
Chloride of Sodium . . 5 gr. = 0·34 gm.
Water . . . . . 1 oz. = 30 c.c.
Dissolve and mix.

Use.—Detergent.

†Collunarium Sodii Chloridi.

℞ Chloride of Sodium . . 10 gr. = 0·69 gm.
White Sugar . . . . 5 gr. = 0·34 gm.
Water . . . . . 1 oz. = 30 c.c.
Dissolve.

Use.—Mild stimulant.

GARGARISMATA—GARGLES.

About half a fluid ounce should be taken in the mouth for each act of gargling, and this should be repeated four times on each occasion. They should be used every four hours unless otherwise ordered.

The formulæ marked thus † can also be conveniently prescribed in the form of a compressed tablet.

†Gargarisma Acidi Borici.

℞ Boric Acid	10 gr. = 0·69 gm.
Water	to 1 oz. = 30 c.c.

Dissolve.

Use.—Antiseptic and sedative.

Gargarisma Acidi Tannici.

℞ Glycerin of Tannin . .	1 dr. = 3·7 c.c.
Camphor Water . .	to 1 oz. = 30 c.c.

Mix.

Use.—Astringent.

†Gargarisma Alkalina.

℞ Chlorate of Potassium . .	12 gr. = 0·82 gm.
Bicarbonate of Sodium . .	6 gr. = 0·41 gm.
Bicarbonate of Potassium .	6 gr. = 0·41 gm.
Water	1 oz. = 30 c.c.

Dissolve.

Use.—Detergent and sedative.

†Gargarisma Aluminis.

℞ Alum	8 gr. = 0·55 gm.
Water	1 oz. = 30 c.c.

Dissolve.

Use.—Mild astringent.

†Gargarisma Aluminis cum Acido Tannico.

℞ Alum	6 gr. = 0·41 gm.
Tannic Acid	8 gr. = 0·55 gm.
Water	1 oz. = 30 c.c.

Dissolve.

Use.—Astringent.

†Gargarisma Aluminis et Potassii Chloratis.

℞ Alum	4 gr. = 0·27 gm.
Chlorate of Potassium . .	15 gr. = 1·03 gm.
Water	1 oz. = 30 c.c.

Dissolve.

Use.—Astringent.

†Gargarisma Boracis.

℞ Borax	15 gr. = 1·03 gm.
White Sugar	10 gr. = 0·69 gm.
Water	1 oz. = 30 c.c.

Dissolve.

Use.—Sedative.

Gargarisma Boracis Composita.

℞ Borax . . . . . 24 gr. = 1·64 gm.
Glycerin . . . . 24 m. = 1·5 c.c.
Tincture of Myrrh . . 24 m. = 1·5 c.c.
Water . . . . to 1 oz. = 30 c.c.
Dissolve and mix.

Use.—Mild alkaline astringent.

Gargarisma Hydrargyri Perchloridi.

℞ Perchloride of Mercury . $\frac{1}{8}$ gr. = 0·008 gm.
Glycerin . . . . 24 m. = 1·5 c.c.
Water . . . . to 1 oz. = 30 c.c.
Dissolve and mix.

Use.—Stimulant and antiseptic.

Gargarisma Hydrargyri et Potassii Chloratis.

℞ Black Wash . . . . $\frac{1}{2}$ oz. = 15 c.c.
Gargle of Chlorate of Potassium $\frac{1}{2}$ oz. = 15 c.c.
Mix.

Use.—Antiseptic and sedative.

Gargarisma Krameriæ.

℞ Tincture of Krameria . . 10 m. = 0·62 c.c.
Tincture of Myrrh . . . 10 m. = 0·62 c.c.
Compound Tincture of Lavender . . . . . 3 m. = 0·19 c.c.
Glycerin of Borax . . . 40 m. = 2·5 c.c.
Water . . . . . 1 oz. = 30 c.c.
Mix.

Use.—Mild astringent.

†Gargarisma Potassii Chloratis.

℞ Chlorate of Potassium . . 12 gr. = 0·82 gm.
Water . . . . . 1 oz. = 30 c.c.
Dissolve.

Use.—Mild sedative.

†Gargarisma Potassii Permanganatis.

℞ Permanganate of Potassium $\frac{1}{8}$ gr. = 0·008 gm.
Distilled Water . . to 1 oz. = 30 c.c.
Dissolve, keep in stoppered bottle.

Use.—Deodorant.

†Gargarisma Resorcin.

℞ Resorcin . . . . 20 gr. = 1·37 gm.
Water . . . . to 1 oz. = 30 c.c.
Dissolve.

Use.—Antiseptic.

Gargarisma "Sanitas."

℞ Sanitas . . . . . 30 m. = 1·87 c.c.
Water . . . . to 1 oz. = 30 c.c.
Mix.

Use.—Antiseptic.

†Gargarisma Sodii Bicarbonatis.

℞ Bicarbonate of Sodium . . 40 gr. = 2·74 gm.
Carbonate of Sodium . . 10 gr. = 0·69 gm.
Water . . . . . 1 oz. = 30 c.c.
Dissolve.

To be mixed with equal parts of boiling water for use.

Use.—Antiphlogistic.

Gargarisma Sodæ Chlorinatæ.

℞ Solution of Chlorinated Soda 24 m. = 1·50 c.c.
Water . . . . to 1 oz. = 30 c.c.
Mix.

Use.—Disinfectant.

GUTTÆ—DROPS.

These drops, intended for aural use, should be introduced into the ear at a temperature of about 100° F. or 37·8° C. They may be warmed by placing them in a teaspoon which has been dipped in boiling water.

Guttæ Acidi Salicylici.

℞ Salicylic Acid . . . 2 gr. = 0·14 gm.
Olive Oil . . . . ½ oz. = 15 c.c.
Dissolve.

Use.—Emollient.

Guttæ Atropinæ.

℞ Sulphate of Atropine . . ½ gr. = 0·034 gm.
Distilled Water . . to ½ oz. = 15·00 c.c.
Dissolve.

Use.—Sedative.

Guttæ Cocainæ et Acidi Carbolici.

℞ Hydrochloride of Cocaine . 10 gr. = 0·69 gm.
Pure Carbolic Acid . . 10 gr. = 0·69 gm.
Distilled Water . . to ½ oz. = 15·00 c.c.
Dissolve.

Use.—Analgesic.

Guttæ Glycerini Acidi Carbolici.

℞ Glycerin of Carbolic Acid . 60 m. = 3·75 c.c.
Glycerin . . . to ½ oz. = 15·00 c.c.
Mix.

Use.—Emollient and antiseptic.

Guttæ Cupri Sulphatis.

℞ Sulphate of Copper . . 5 gr. = 0·34 gm.
Rectified Spirit . . . 1 dr. = 3·75 c.c.
Water . . . . to ½ oz. = 15 c.c.
Dissolve and mix.

Use.—Astringent.

Guttæ Hydrogenii Peroxidi.

℞ Peroxide of Hydrogen . . 10 vols.

These drops should not be warmed.

Use.—Detergent and hæmostatic.

Guttæ Iodoformi.

℞ Iodoform . . . . 15 gr. = 1·03 gm.
Rectified Spirit . . . ½ oz. = 15·00 c.c.
Mix.

This not being a solution must be shaken before use.

Use.—Antiseptic and astringent.

Guttæ Morphinæ et Cocainæ.

℞ Hydrochloride of Cocaine . 24 gr. = 1·64 gm.
Hydrochloride of Morphine . 4 gr. = 0·27 gm.
Glycerin . . . . 1 dr. = 3·75 c.c.
Distilled Water . . to ½ oz. = 15 c.c.
Dissolve and mix.

Use.—Sedative.

Guttæ Opii.

℞ Tincture of Opium . . 2 dr. = 7·5 c.c.
Olive Oil . . . . 2 dr. = 7·5 c.c.
Mix.

To be well shaken before use.

Use.—Sedative.

†Guttæ Protargol.

℞ Protargol	24 gr. = 1·64 gm.
Water	½ oz. = 15 c.c.

Dissolve.

Use.—Astringent.

Guttæ Sodii Bicarbonatis.

℞ Bicarbonate of Sodium . .	15 gr. = 1·03 gm.
Pure Carbolic Acid . . .	1 gr. = 0·07 gm.
Glycerin	2 dr. = 7·5 c.c.
Distilled Water . .	to ½ oz. = 15 c.c.

Dissolve.

Use.—Emollient.

Guttæ Spiritûs.

℞ Rectified Spirit . . .	1 dr. = 3·75 c.c.
Boric Acid	10 gr. = 0·69 gm.
Water	to ½ oz. = 15 c.c.

Use.—Stimulant and antiseptic.

The strength of the spirit may be gradually increased until pure spirit is used.

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† Protargol does not keep well in solution, so may be conveniently prescribed in the form of compressed tablets.

INSUFFLATIONES—INSUFFLATIONS

I. AURAL INSUFFLATIONS.

These powders should be blown into the ear by means of a small tube, preferably of glass. If this is to be carried out by the patient himself a flexible piece of rubber tubing must be applied to the tube.

Insufflatio Acidi Borici.

℞ Boric Acid in fine powder.

Use.—Mild antiseptic.

Insufflatio Alumnol.

℞ Alumnol	1 part.
Boric Acid in fine powder .	3 parts.

Mix.

Use.—Astringent.

Insufflatio Dermatol.

℞ Dermatol	1 part.
Boric Acid in fine powder .	3 parts.

Mix.

Use.—Antiseptic.

Insufflatio Iodoformi.

℞ Iodoform in fine powder . 1 part.
Boric Acid in fine powder . 3 parts.
Mix.

Use.—Antiseptic.

Insufflatio Iodol.

℞ Iodol in fine powder . . 1 part.
Boric Acid in fine powder . 3 parts.
Mix.

Use.—Antiseptic.

II. NASAL INSUFFLATIONS.

These are most conveniently used as snuffs, but they may also be introduced into the nose in the same way as described for aural insufflations (*see* p. 17).

Insufflatio Bismuthi et Morphinæ.

℞ Carbonate of Bismuth . 280 gr. = 19·20 gm.
Acetate of Morphine . . 8 gr. = 0·55 gm.
Gum Acacia in fine powder to 1 oz. = 30 gm.
Mix to form a powder.

Use.—Sedative.

Insufflatio Bismuthi, Morphinæ et Iodoformi.

℞ Iodoform . . .	120 gr. =	8·23 gm.
Insufflation of Bismuth and Morphia . . .	to 1 oz. =	30 gm.

Mix.

Use.—Sedative and antiseptic.

Insufflatio Iodol et Menthol.

℞ Menthol	8 gr. =	0·55 gm.
Iodol	80 gr. =	5·48 gm.
Boric Acid in fine powder	200 gr. =	13·71 gm.
White Sugar in fine powder	to 1 oz. =	30 gm.

Mix.

Use.—Antiseptic.

Insufflatio Menthol Composita.

℞ Menthol	2 parts.
Hydrochloride of Cocaine .	$\frac{1}{6}$ part.
Chloride of Ammonium . .	10 parts.
Camphor	4 parts.
Lycopodium	35 parts.
Oxychloride of Bismuth . .	10 parts.
Starch in fine powder .	to 100 parts.

Mix.

Use.—Sedative.

III. LARYNGEAL INSUFFLATIONS.

Laryngeal insufflations are intended to be employed by the surgeon, who introduces the powder by

means of a suitably curved laryngeal insufflator guided by the laryngoscope. The patient may occasionally be taught to do this for himself by adjusting the instrument carefully and then inhaling sharply at the same time that the ball of the insufflator is compressed.

Where the quantity of the active ingredient is very small, starch or some other light adhesive powder is added as a diluent to diffuse it.

*Insufflatio Acidi Tannici Composita.

℞ Tannic Acid in fine powder . 5 gr. = 0·32 gm.
Iodoform in fine powder . 2 gr. = 0·13 gm.
Sulphate of Morphine . . $\frac{1}{12}$ gr. = 0·005 gm.
Mix.

Use.—Antiseptic and astringent.

*Insufflatio Catechu Composita.

℞ Powdered Catechu . . $\frac{1}{2}$ gr. = 0·032 gm.
Oxychloride of Bismuth . 2 gr. = 0·13 gm.
Sulphate of Morphine . . $\frac{1}{8}$ gr. = 0·008 gm.
Mix.

Use.—Sedative and astringent.

*Insufflatio Iodoformi.

℞ Iodoform in fine powder . 1 gr. = 0·06 gm.
Dried Starch in fine powder . $\frac{1}{2}$ gr. = 0·032 gm.
Mix.

Use.—Antiseptic.

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* For the surgeon's use only.

*Insufflatio Iodol.

℞ Iodol in fine powder . . 1 gr. = 0·06 gm.
Dried Starch in fine powder ½ gr. = 0·032 gm.
Mix.

Use.—Antiseptic.

*Insufflatio Morphinæ.

℞ Sulphate of Morphine, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ gr. = 0·004, 0·008, 0·016, 0·032 gm.
Dried Starch in fine powder ½ gr. = 0·032 gm.
Mix.

Use.—Sedative.

Insufflatio Orthoformi.

℞ Orthoform . . . . 5 gr. = 0·32 gm.

Use.—Analgesic.

This can safely be intrusted to the patient.

*Insufflatio Orthoformi et Iodoformi.

℞ Orthoform . . . . 1 part.
Iodoform . . . . 1 part.
Mix.

Use.—Analgesic and antiseptic.

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* For the surgeon's use only.

LINCTUS—COUGH MIXTURES.

The usual dose of these mixtures is one drachm, and this quantity should be taken as occasion requires, not more than four doses being taken in the twenty-four hours unless other directions are given.

Linctus Acidus.

℞ Citric Acid	8 gr. = 0·55 gm.
Glycerin	1 dr. = 3·75 c.c.
Syrup of Red Poppies .	2 dr. = 7·5 c.c.
Water	1 oz. = 30 c.c.

Dissolve and mix.

Dose, 1 dr.

Linctus Belladonnæ.

℞ Tincture of Belladonna .	24 m. = 1·50 c.c.
Carbonate of Bismuth . .	24 gr. = 1·64 gm.
Tincture of Lemons . .	80 m. = 5·0 c.c.
Glycerin	80 m. = 5·0 c.c.
Water	to 1 oz. = 30 c.c.

Mix.

Dose, 1 dr.

Linctus Camphoræ Compositus.

℞ Compound Tincture of Camphor	2 dr. = 7·5 c.c.
Oxymel of Squills . . .	2 dr. = 7·5 c.c.
Syrup of Tolu	2 dr. = 7·5 c.c.
Glycerin	2 dr. = 7·5 c.c.

Mix.

Dose, 1 dr.

Linctus Morphinæ.

℞ Solution of Acetate of Morphine 40 m. = 2·5 c.c.
Dilute Hydrocyanic Acid . 30 m. = 1·87 c.c.
Oxymel of Squills . . 2 dr. = 7·5 c.c.
Syrup of Lemons . . . 2 dr. = 7·5 c.c.
Water . . . . . to 1 oz. = 30 c.c.
Mix.

Dose, 1 dr.

Linctus Simplex.

℞ Oxymel of Squills . . . 1 dr. = 3·75 c.c.
Syrup of Red Poppies . . 2 dr. = 7·5 c.c.
Syrup of Lemons . . . 2 dr. = 7·5 c.c.
Syrup of Tolu . . . 2 dr. = 7·5 c.c.
Glycerin . . . . 1 dr. = 3·75 c.c.
Mix.

Dose, 1 dr.

LOCAL ANÆSTHETICS.

These are intended to be used by the surgeon himself, and should never be entrusted to the patient.

*Solutio Cocainæ.

℞ Hydrochloride of Cocaine
48 to 96 gr. = 3·3 to 6·6 gm.
Salicylic Acid . . . ½ gr. = 0·034 gm.
Distilled Water . to 1 oz. = 30 c.c.
Dissolve.

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* For the surgeon's use only.

*Solutio Cocainæ et Extracti Suprarenalis.

℞ Hydrochloride of Cocaine . 48 gr. = 3·3 gm.
Suprarenal Extract (Merck) 24 gr. = 1·64 gm.
Salicylic Acid . . . ½ gr. = 0·034 gm.
Distilled Water . . . to 1 oz. = 30 c.c.
Dissolve.

*Solutio Cocainæ cum Acido Carbolico.

℞ Hydrochloride of Cocaine . 40 gr. = 2·74 gm.
Pure Carbolic Acid . . 40 gr. = 2·74 gm.
Menthol . . . . 40 gr. = 2·74 gm.
Glycerin . . . . to 1 oz. = 30 c.c.
Dissolve.

For Aural Use.

*Solutio Cocainæ cum Anilin.

℞ Hydrochloride of Cocaine . 48 gr. = 3·3 gm.
Absolute Ether . . . 144 m. = 9·25 c.c.
Anilin Oil . . . to 1 oz. = 30 c.c.
Dissolve and mix.

For Aural Use.

*Solutio Eucainæ.

℞ Hydrochloride of Eucaine . 40 gr. = 2·74 gm.
Salicylic Acid . . . ½ gr. = 0·034 gm.
Distilled Water . . . 1 oz. = 30 c.c.
Dissolve and mix.

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* For the surgeon's use only.

LOTIONES—LOTIONS.

Lotions are intended for aural use, and should be gently syringed into the ear at a temperature of about 100° F. or 37·8° C.

Those marked thus † can also be conveniently prescribed in the form of a compressed tablet.

†Lotio Acidi Borici.

℞ Boric Acid	20 gr. = 1·37 gm.
Water	to 1 oz. = 30 c.c.

Dissolve.

Use.—Antiseptic.

†Lotio Acidi Carbolici.

℞ Carbolic Acid . . .	10 gr. = 0·69 gm.
Water	to 1 oz. = 30 c.c.

Dissolve.

Use.—Antiseptic.

Lotio Creolin.

℞ Creolin	5 m. = 0·31 c.c.
Water	to 1 oz. = 30 c.c.

Mix.

Use.—Antiseptic.

†Lotio Hydrargyri Perchloridi.

℞ Perchloride of Mercury .	$\frac{1}{6}$ gr. = 0·011 gm.
Water	to 1 oz. = 30 c.c.

Dissolve.

Use.—Antiseptic.

Lotio Plumbi cum Opio.

℞ Tincture of Opium . . 24 m. = 1·5 c.c.
Solution of Subacetate of Lead 12 m. = 0·75 c.c.
Water . . . . . to 1 oz. = 30 c.c.
Mix.

Use.—Sedative.

Lotio Potassii Permanganatis.

℞ Permanganate of Potassium . $\frac{1}{8}$ gr. = 0·008 gm.
Chloride of Sodium . . 5 gr. = 0·34 gm.
Water . . . . to 1 oz. = 30 c.c.
Dissolve.

Use.—Detergent.

Lotio Sanitas.

℞ Sanitas . . . . . 12 m. = 0·75 c.c.
Water . . . . to 1 oz. = 30 c.c.
Mix.

Use.—Antiseptic and deodorant.

MISTURÆ—MIXTURES.

Mixtures should be taken three times a day between meals, unless otherwise ordered.

The usual dose is 1 oz., the quantity ordered in each formula.

Mistura Acidi Fluorici.

℞ Dilute Fluoric Acid (½ per cent. solution of the redistilled acid) . 10 to 20 m. = 0·625 to 1·25 c.c.
(or more if prescribed).
Water . . to 1 oz. = 30 c.c.
Mix.

Mistura Acidi Hydrobromici.

℞ Dilute Hydrobromic Acid, 30 to 60 m. = 1·875 to 3·75 c.c.
Chloroform Water to 1 oz. = 30 c.c.
Mix.

Mistura Acidi Hydrobromici cum Quinina.

℞ Dilute Hydrobromic Acid . 30 m. = 1·87 c.c.
Sulphate of Quinine . . 1 gr. = 0·07 gm.
Spirit of Chloroform . . 10 m. = 0·62 c.c.
Water . . . . to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken after meals.

Mistura Acidi Nitro-Hydrochlorici.

℞ Dilute Nitro - Hydrochloric Acid . . . . . 10 m. = 0·62 c.c.
Tincture of Nux Vomica . 5 m. = 0·31 c.c.
Tincture of Oranges . . 20 m. = 1·25 c.c.
Infusion of Quassia . to 1 oz. = 30 c.c.
Mix.

Mistura Acidi Phosphorici Composita.

℞ Dilute Phosphoric Acid . 15 m. = 0·94 c.c.
Solution of Hydrochloride of Strychnine, B.P. . . 5 m. = 0·31 c.c.
Chloroform Water . . 2 dr. = 7·5 c.c.
Infusion of Quassia . to 1 oz. = 30 c.c.
Mix.

Mistura Alba.

℞ Sulphate of Magnesium . 60 gr. = 4·11 gm.
Carbonate of Magnesium . 10 gr. = 0·69 gm.
Peppermint Water . . to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken in half a tumbler of warm water before breakfast.

Mistura Amara.

℞ Carbonate of Ammonium . 5 gr. = 0·34 gm.
Caramel . . . . . 1 m. = 0·06 c.c.
Chloroform Water . . . 2 dr. = 7·5 c.c.
Infusion of Quassia . to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken half an hour before meals.

Mistura Ammoniæ cum Æthere.

℞ Aromatic Spirit of Ammonia . 20 m. = 1·25 c.c.
Spirit of Chloroform . . 20 m. = 1·25 c.c.
Ether . . . . . 20 m. = 1·25 c.c.
Camphor Water . . to 1 oz. = 30 c.c.
Mix.

To be taken every four hours.

Mistura Ammonii Chloridi.

℞ Chloride of Ammonium
5 to 30 gr. = 0·34 to 2·06 gm.
Liquid Extract of
Liquorice . . 30 m. = 1·87 c.c.
Chloroform Water to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken as ordered.

Mistura Aromatica.

℞ Tincture of Nux Vomica . 5 m. = 0·31 c.c.
Aromatic Spirit of Ammonia 20 m. = 1·25 c.c.
Spirit of Chloroform . . 20 m. = 1·25 c.c.
Water . . . . to 1 oz. = 30 c.c.
Mix.

To be taken half an hour before meals.

Mistura Bismuthi.

℞ Carbonate of Bismuth . . 15 gr. = 1·03 gm.
Compound Powder of Tragacanth . . . . . 5 gr. = 0·34 gm.
Compound Tincture of Cardamoms . . . . . 20 m. = 1·25 c.c.
Water . . . . . to 1 oz. = 30 c.c.
Mix.
To be taken half an hour before meals.

Mistura Bismuthi Alkalina.

℞ Carbonate of Bismuth . . 10 gr. = 0·69 gm.
Carbonate of Magnesium . 15 gr. = 1·03 gm.
Solution of Potash . . . 10 m. = 0·62 c.c.
Dilute Hydrocyanic Acid . 4 m. = 0·25 c.c.
Compound Tragacanth Powder 5 gr. = 0·34 gm.
Peppermint Water . . to 1 oz. = 30 c.c.
Mix.
To be taken half an hour before food.

Mistura Butyl Chloral Hydratis.

℞ Butyl Chloral Hydrate . . 4 gr. = 0·27 gm.
Glycerin . . . . . 15 m. = 0·94 c.c.
Water . . . . . to 1 oz. = 30 c.c.
Dissolve and mix.

Mistura Chloral Hydratis.

℞ Syrup of Chloral . . . 2 dr. = 7·5 c.c.
Syrup of Tolu . . . 40 m. = 2·5 c.c.
Water . . . . . to 1 oz. = 30 c.c.
Mix.
To be taken diluted with water as ordered.

Mistura Cinchonæ Acida.

℞ Dilute Nitric Acid . . . 10 m. = 0·62 c.c.
Decoction of Cinchona . . ½ oz. = 15 c.c.
Water . . . . to 1 oz. = 30 c.c.
Mix.
To be taken half an hour after food.

Mistura Cinchonæ Ammoniata.

℞ Bicarbonate of Sodium . . 10 gr. = 0·69 gm.
Aromatic Spirit of Ammonia . 20 m. = 1·25 c.c.
Decoction of Cinchona . . ½ oz. = 15 c.c.
Water . . . . to 1 oz. = 30 c.c.
Dissolve and mix.
To be taken half an hour before food.

Mistura Cretæ.

℞ Prepared Chalk, Gum Acacia . each 15 gr. = 1·03 gm.
Cinnamon Water . . . 1 oz. = 30 c.c.
Mix.
To be taken every four hours.

Mistura Creosoti.

℞ Creosote . . 3 to 12 m. = 0·19 to 0·75 c.c.
Rectified Spirit . 30 m. = 1·87 c.c.
Liquid Extract of Liquorice . . 30 m. = 1·87 c.c.
Compound Powder of Tragacanth . 5 gr. = 0·34 gm.
Water . . . to 1 oz. = 30 c.c.
Mix.
To be taken immediately after food.

Mistura Creosoti et Olei Morrhuæ.

℞ Creosote . . 3 to 12 m. = 0·19 to 0·75 c.c.
Cod-liver Oil . . 1 dr. = 3·75 c.c.
Mix.

To be taken immediately after food.

Mistura Diaphoretica.

℞ Vinegar of Ipecacuanha . 15 m. = 0·94 c.c.
Solution of Acetate of Ammonium . . . . 2 dr. = 7·5 c.c.
Spirit of Nitrous Ether . . 30 m. = 1·87 c.c.
Water . . . . to 1 oz. = 30 c.c.
Mix.

To be taken every four hours.

Mistura Diuretica.

℞ Acetate of Potassium . . 20 gr. = 1·37 gm.
Vinegar of Squills . . . 20 m. = 1·25 c.c.
Decoction of Broom . to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken every four hours.

Mistura Effervescens.

℞ Bicarbonate of Potassium . 20 gr. = 1·37 gm.
Carbonate of Ammonium . 3 gr. = 0·21 gm.
Water . . . . to 1 oz. = 30 c.c.
Dissolve.

15 gr. or 1·03 gm. of Citric Acid to be added to the above and drunk during effervescence.

Mistura Ferri Aperiens.

℞ Sulphate of Iron . . . 5 gr. = 0·34 gm.
Sulphate of Magnesium . . 30 gr. = 2·06 gm.
Dilute Sulphuric Acid . . 5 m. = 0·31 c.c.
Peppermint Water . . to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken after food.

Mistura Ferri cum Strychnina.

℞ Solution of Perchloride of Iron . . . . . 10 m. = 0·62 c.c.
Solution of Hydrochloride of Strychnine . . . . 4 m. = 0·25 c.c.
Chloroform Water . . . 2 dr. = 7·5 c.c.
Water . . . . . to 1 oz. = 30 c.c.
Mix.

To be taken after food.

Mistura Ferri et Ammonii Citratis.

℞ Ammonio-citrate of Iron . 5 gr. = 0·34 gm.
Carbonate of Ammonium . 3 gr. = 0·21 gm.
Chloroform Water . . . 1 oz. = 30 c.c.
Dissolve.

Mistura Ferri Perchloridi.

℞ Solution of Perchloride of Iron . . . . . 20 m. = 1·25 c.c.
Chloroform Water. . . . 2 dr. = 7·5 c.c.
Infusion of Quassia . to 1 oz. = 30 c.c.
Mix.

Mistura Ferri Salicylatis.

℞ Solution of Perchloride of Iron . . . . . 20 m. = 1·25 c.c.
Carbonate of Ammonium . 5 gr. = 0·34 gm.
Salicylate of Sodium . . 10 gr. = 0·69 gm.
Glycerin . . . . 15 m. = 0·94 c.c.
Water . . . . to 1 oz. = 30 c.c.
Dissolve and mix.
To be taken every four hours.

Mistura Gentianæ cum Sodâ.

℞ Bicarbonate of Sodium . . 10 gr. = 0·69 gm.
Spirit of Chloroform . . 15 m. = 0·94 c.c.
Compound Infusion of Gentian . . . . to 1 oz. = 30 c.c.
Dissolve and mix.
To be taken half an hour before food.

Mistura Guaiacol.

℞ Guaiacol . . 1 to 5 m. = 0·06 to 0·31 c.c.
Rectified Spirit . 30 m. = 1·87 c.c.
Liquid Extract of Liquorice . . 30 m. = 1·87 c.c.
Compound Powder of Tragacanth . 5 gr. = 0·34 gm.
Water . . . to 1 oz. = 30 c.c.
Mix.
To be taken immediately after food.

Mistura Hydrargyri cum Ferro.

℞ Solution of Perchloride of Mercury . . . . 40 m. = 2·50 c.c.
Solution of Perchloride of Iron . . . . . 10 m. = 0·62 c.c.
Infusion of Quassia . . ½ oz. = 15 c.c.
Chloroform Water . . to 1 oz. = 30 c.c.
Mix.

To be taken soon after food.

Mistura Hydrargyri et Potassii Iodidi.

℞ Solution of Perchloride of Mercury . . . . 1 dr. = 3·75 c.c.
Iodide of Potassium . . 5 gr. = 0·34 gm.
Infusion of Quassia . . ½ oz. = 15 c.c.
Chloroform Water . to 1 oz. = 30 c.c.
Dissolve.

To be taken soon after food.

Mistura Potassii Bromidi.

℞ Bromide of Potassium . . 10 to 40 gr. = 0·69 to 2·74 gm.
Aromatic Spirit of Ammonia . 20 m. = 1·25 c.c.
Camphor Water to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken largely diluted with water, as ordered.

Mistura Potassii Iodidi.

℞ Iodide of Potassium 3 to 30 gr. = 0·2 to 2·06 gm.
(or more if prescribed)
Bitter Mixture . . 1 oz. = 30 c.c.
Dissolve.
To be taken half an hour before meals.

Mistura Quininæ.

℞ Sulphate of Quinine . . 1 gr. = 0·07 gm.
Dilute Sulphuric Acid . . 2½ m. = 0·16 c.c.
Syrup of Lemons . . . 30 m. = 1·87 c.c.
Water . . . . to 1 oz. = 30 c.c.
Dissolve and mix.

Mistura Quininæ Effervescens.

A.

℞ Bicarbonate of Sodium . . 5 gr. = 0·34 gm.
Bicarbonate of Potassium . 7½ gr. = 0·51 gm.
Chlorate of Potassium . . 3 gr. = 0·21 gm.
Water . . . . to 1 oz. = 30 c.c.
Dissolve.

B.

℞ Sulphate of Quinine . . 1 gr. = 0·07 gm.
Citric Acid . . . . 5 gr. = 0·34 gm.
Syrup of Lemons . . . 30 m. = 1·87 c.c.
Water . . . . to 1 oz. = 30 c.c.
Dissolve and mix.

Mix A and B together and drink while effervescing.
To be taken every four hours.

Mistura Rhei cum Nuce Vomica.

℞ Bicarbonate of Sodium . . 10 gr. = 0·69 gm.
Tincture of Nux Vomica . 5 m. = 0·31 c.c.
Chloroform . . . . 1 m. = 0·06 c.c.
Infusion of Rhubarb . . ½ oz. = 15 c.c.
Peppermint Water . . to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken before meals.

Mistura Rhei Ammoniata.

℞ Powdered Rhubarb . . 5 gr. = 0·34 gm.
Carbonate of Ammonium . 5 gr. = 0·34 gm.
Peppermint Water . . to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken before meals.

Mistura Scillæ Composita.

℞ Vinegar of Squills . . . 15 m. = 0·94 c.c.
Vinegar of Ipecacuanha . . 5 m. = 0·31 c.c.
Compound Tincture of Camphor . . . . . 20 m. = 1·25 c.c.
Water . . . . . to 1 oz. = 30 c.c.
Mix.

To be taken every four hours.

Mistura Senegæ cum Ammonia.

℞ Carbonate of Ammonium . 4 gr. = 0·27 gm.
Spirit of Ether . . . 10 m. = 0·62 c.c.
Infusion of Senega . . to 1 oz. = 30 c.c.
Dissolve and mix.

To be taken every four hours.

Mistura Senegæ et Potassii Nitratis.

℞ Nitrate of Potassium . . 10 gr. = 0·69 gm.
Senega and Ammonia Mixture 1 oz. = 30 c.c.
Dissolve.
To be taken every four hours.

Mistura Sodii Salicylatis.

℞ Salicylate of Sodium . . 10 gr. = 0·69 gm.
Compound Spirit of Ammonia 15 m. = 0·94 c.c.
Bicarbonate of Potassium . 10 gr. = 0·69 gm.
Camphor Water . . to 1 oz. = 30 c.c.
Dissolve and mix.

Mistura Sodii Salicylatis Composita.

℞ Salicylate of Sodium . . 5 gr. = 0·34 gm.
Salicin . . . . . 10 gr. = 0·69 gm.
Bicarbonate of Potassium . 15 gr. = 1·03 gm.
Water . . . . to 1 oz. = 30 c.c.
Dissolve.

NEBULÆ—SPRAY INHALATIONS.

1. Aqueous Solutions.

The following sprays are intended to be used for the throat unless otherwise ordered. By means of a metal or vulcanite spray producer, a jet of fine spray is directed well on to the back of the patient's pharynx, and if he be instructed to draw a sharp deep breath much of the solution will enter the larynx. The patient can be easily taught to carry this out for himself. In many cases a Siegle's steam spray will be found more convenient, the spray being inhaled through a long cone.

Those marked thus † can also be conveniently prescribed in the form of a compressed tablet by substituting white sugar for glycerin.

Nebula Acidi Tannici.

℞ Glycerin of Tannic Acid	40 m. = 2·50 c.c.
Distilled Water	1 oz. = 30 c.c.

Mix.

Use.—Astringent.

Nebula Alkalina.

℞ Bicarbonate of Sodium	15 gr. = 1·03 gm.
Borax	15 gr. = 1·03 gm.
Carbolic Acid	4 gr. = 0·27 gm.
Glycerin	45 m. = 2·80 c.c.
Water	to 1 oz. = 30 c.c.

Dissolve and mix.

Use.—Detergent.

†Nebula Aluminis.

℞ Alum . . . 5 to 15 gr. = 0·34 to 1·03 gm.
Distilled Water . . 1 oz. = 30 c.c.
Dissolve.

Use.—Astringent.

†Nebula Cupri Sulphatis.

℞ Sulphate of Copper . . 5 gr. = 0·34 gm.
Glycerin . . . . . 15 m. = 0·94 c.c.
Distilled Water . . . 1 oz. = 30 c.c.
Dissolve and mix.

Use.—Astringent.

Nebula Ferri Perchloridi.

℞ Perchloride of Iron . . 5 gr. = 0·34 gm.
Glycerin . . . . . 15 m. = 0·94 c.c.
Distilled Water . . . 1 oz. = 30 c.c.
Dissolve and mix.

Use.—Astringent.

†Nebula Ferri Sulphatis.

℞ Sulphate of Iron . . . 2 gr. = 0·14 gm.
Distilled Water . . . 1 oz. = 30 c.c.
Dissolve.

Use.—Astringent.

Nebula Potassii Permanganatis.

℞ Permanganate of Potassium . 1 gr. = 0·07 gm.
Chloride of Sodium . . 5 gr. = 0·34 gm.
Distilled Water . . . 1 oz. = 30 c.c.
Dissolve.

Use.—Antiseptic.

Nebula Spiritus et Boracis.

℞ Rectified Spirit . . . 1 dr. = 3·75 c.c.
Glycerin of Borax . . . 1 dr. = 3·75 c.c.
Water . . . . to 1 oz. = 30 c.c.
Mix.

Use.—Nasal astringent.

Nebula Zinci Chloridi.

℞ Chloride of Zinc 10 to 20 gr. = 0·69 to 1·37 gm.
Distilled Water . . 1 oz. = 30 c.c.
Dissolve.

Use.—Astringent.

†Nebula Zinci Sulphatis.

℞ Sulphate of Zinc 10 to 20 gr. = 0·69 to 1·37 gm.
Distilled Water . . 1 oz. = 30 c.c
Dissolve.

Use.—Astringent.

2. Oily Solutions.

These are intended for use in either the nose or the throat. They must be volatilised by means of a special spray. They may also in many cases be employed with advantage as paints, being applied to the parts by means of a small camel's-hair brush.

Nebula Eucalypti.

℞ Oil of Eucalyptus . . . 20 m. = 1·25 c.c.
Liquid Paraffin . . to 1 oz. = 30 c.c.
Mix.

Use.—Stimulant.

Nebula Menthol.

℞ Menthol . 10 to 30 gr. = 0·69 to 2·06 gm.
Liquid Paraffin . . 1 oz. = 30 c.c.
Dissolve.

Use.—Sedative.

Nebula Menthol cum Cocaina.

℞ Menthol . . . . . 10 gr. = 0·69 gm.
Cocaine . . . . . 5 gr. = 0·34 gm.
Oleic Acid . . . . 15 m. = 0·95 c.c.
Liquid Paraffin . . . 1 oz. = 30 c.c.
Dissolve and mix.

Use.—Sedative.

Nebula Hydrargyri Nitratis.

℞ Nitrate of Mercury Ointment 40 gr. = 2·74 gm.
Olive Oil . . . . ½ oz. = 15·00 c.c.
Liquid Paraffin . . to 1 oz. = 30·00 c.c.
Mix.

Use.—Antiseptic.

Nebula Quininæ Composita.

℞ Cocaine . . . . . 3 gr. = 0·21 gm.
Gum Camphor . . . 15 gr. = 1·03 gm.
Quinine . . . . . 10 gr. = 0·69 gm.
Oleic Acid . . . . 30 m. = 1·87 c.c.
Liquid Paraffin . . to 1 oz. = 30 c.c.
Dissolve and mix.

Use.—Astringent and sedative.

PASTA—PASTES.

Pasta Acidi Tannici.

℞ Tannic Acid . . . . 3 parts.
Gallic Acid . . . . 1 part.

Mix together and add a few drops of water. Then knead the powder until it is a *hard* mass, and from it take a piece sufficient to form a ball the size of a small marble and rub it against the bleeding surface.

Note.—It will be found, on continuing to knead the powder, that it requires less water than at first appeared necessary to make it into a mass.

Use.—Hæmostatic in severe hæmorrhage after Tonsillotomy.

PASTILLI—PASTILS.

Pastils should be of the consistency of firm jelly, that they may dissolve readily in the mouth, and they should, as a rule, be freshly made, the Glyco-gelatin basis alone being kept in stock.

Tannin, Rhatany, Kino, and all substances chemically incompatible with Gelatin, cannot, of course, be employed with this basis.

The following is the formula for the Glyco-gelatin together with some of the special pastils :

℞ Refined Gelatin . . . 1 oz. = 30 gm.
Glycerin (by weight) . . 2½ oz. = 75 gm.
Ammoniacal Solution of Carmine . . . . a sufficient quantity
Orange-flower Water . . 2½ oz. = 75 c.c.

In these formulæ directions are given for making one pastil. The patient should be directed to allow the pastil to dissolve slowly in the mouth, and 5 or 6 pastils should be used in the course of the day unless other directions are given.

Pastillus Ammonii Chloridi.

℞ Chloride of Ammonium . 2 gr. = 0·13 gm.
Rub to powder, and add to the Glyco-gelatin (melted in a water-bath) . . 18 gr. = 1·17 gm.
Mix.

Use.—Stimulant.

Pastillus Bismuthi.

℞ Carbonate of Bismuth . . . 3 gr. = 0·19 gm.
Glycerin . . . . . 3 m. = 0·18 c.c.
Rub together, and add the mixture to the Glyco-gelatin (melted in a water-bath) . . . . 18 gr. = 1·17 gm.
Mix.

Use.—Sedative.

Pastillus Bismuthi et Morphinæ.

℞ Carbonate of Bismuth . 3 gr. = 0·19 gm.
Acetate of Morphine . ℥ $\frac{1}{40}$ gr. = 0·0016 gm.
Glycerin . . . . 3 m. = 0·18 c.c.
Rub together, and add the mixture to the Glyco-gelatin (melted in a water-bath) . . 18 gr. = 1·17 gm.
Mix.

Use.—Sedative.

Pastillus Cocainæ.

℞ Hydrochloride of Cocaine . $\frac{1}{10}$ gr. = 0·0065 gm.
(more or less if prescribed)
Glyco-gelatin (melted in a water-bath) . . . 20 gr. = 1·3 gm.
Mix.

Use.—Sedative.

Pastillus Menthol.

℞ Menthol . . . . $\frac{1}{6}$ gr. = 0·011 gm.
Glyco-gelatin (melted in a water-bath) . . . 20 gr. = 1·3 gm.
Mix.

Use.—Sedative.

PIGMENTA, OR SOLUTIONS FOR LOCAL APPLICATION.

These paints are intended for use in the pharynx and larynx, and the large majority of them should only be applied by the surgeon himself, by means of a suitable brush or a mop of wool in a good holder. A few of the milder solutions may be used by the patient once or twice daily as directed.

*Pigmentum Acidi Chromici.

℞ Chromic Acid . . . 10 gr. = 0·69 gm.
Water . . . . to 1 oz. = 30 c.c.

Use.—Mild caustic.

*Pigmentum Acidi Lactici.

℞ Lactic Acid, B.P. 20–100%.

Use.—In weak solutions stimulant, and in strong solutions caustic.

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* For the surgeon's use only.

*Pigmentum Argenti Nitratis.

30 to 60 gr. of the salt in each oz. of distilled water = 2·06 to 4·11 gm. to 30 c.c. of water.

Use.—Astringent, stimulant and caustic.

Pigmentum Boro-Glyceride.

℞ Boro-Glyceride . 2 to 6 dr. = 8·22 to 24·66 gm.
Water . . to 1 oz. = 30 c.c.

Use.—Antiseptic.

*Pigmentum Cupri Sulphatis.

15 gr. of the salt in each oz. of water = 1·03 gm. to 30 c.c. of water.

Use.—Mild caustic.

Pigmentum Ferri Perchloridi.

60 to 120 gr. of the salt in each oz. of water = 4·11 to 8·22 gm. to 30 c.c. of water.

Use.—Astringent.

*Pigmentum Ferri Sulphatis.

60 gr. of the salt in each oz. of water = 4·11 gm. to 30 c.c. of water.

Use.—Astringent.

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* For the surgeon's use only.

*Pigmentum Hydrargyri Perchloridi.

℞ Perchloride of Mercury .	. 1 part.
Glycerin . . .	. 25 parts.
Water	. 75 parts.

Use.—Antiseptic.

This strong solution of Perchloride of Mercury must be used with very great caution, and not more than one application of it should be made.

Pigmentum Mandl.

℞ Iodine	. 6 gr. = 0·41 gm.
Iodide of Potassium .	. 20 gr. = 1·37 gm.
Oil of Peppermint . .	. 5 m. = 0·31 c.c.
Glycerin . . .	to 1 oz. = 30 c.c.

Dissolve and mix.

Use.—Stimulant.

*Pigmentum Menthol.

℞ Menthol . . .	. 60 gr. = 4·1 gm.
Liquid Paraffin . .	to 1 oz. = 30 c.c.

Dissolve.

Use.—Sedative.

*Pigmentum Resorcin.

℞ Resorcin . . .	. 96 gr. = 6·58 gm.
Glycerin of Borax . .	to 1 oz. = 30 c.c.

Dissolve.

Use.—Antiseptic.

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* For the surgeon's use only.

*Pigmentum Zinci Chloridi.

15 to 30 gr. of the salt in each oz. of water = 1·03 to 2·06 gm. to 30 c.c. of water.

Use.—Astringent.

*Pigmentum Zinci Sulphatis.

60 gr. of the salt in each oz. of water = 4·11 gm. to 30 c.c. of water.

Use.—Astringent.

PILULÆ—PILLS.

One of these pills should be taken three times a day, after meals, unless otherwise ordered.

Pilula Aloes cum Belladonna.

℞ Extract of Socotrine Aloes . 1½ gr. = 0·097 gm.
Extract of Nux Vomica . ½ gr. = 0·032 gm.
Extract of Belladonna . . ¼ gr. = 0·016 gm.
Mix and make one pill.
One pill to be taken every night if required.

Pilula Calcis Sulphuratæ.

℞ Sulphurated Lime ¼ to 1 gr. = 0·016 to 0·065 gm.
Sugar of Milk . . ¾ gr. = 0·048 gm.
Liquorice Powder . ½ gr. = 0·032 gm.
Glycerin of Tragacanth q.s.
Mix and make one pill.

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* For the surgeon's use only.

Pilula Cascaræ Composita.

℞ Extract of Cascara Sagrada .	1 gr. = 0·065 gm.
Euonymyn	½ gr. = 0·032 gm.
Iridin	½ gr. = 0·032 gm.
Extract of Nux Vomica .	¼ gr. = 0·016 gm.
Extract of Henbane . .	⅓ gr. = 0·021 gm.

Mix and make one pill.

One or two at bedtime.

Pilula Cathartica.

℞ Compound Extract of Colocynth	1½ gr. = 0·097 gm.
Extract of Jalap . . .	1 gr. = 0·065 gm.
Calomel	1 gr. = 0·065 gm.
Gamboge	¼ gr. = 0·016 gm.

Mix and make one pill.

One at bedtime when necessary.

Pilula Creosoti.

℞ Creosote	2 m. = 0·118 c.c.
Powdered Curd Soap . .	2 gr. = 0·129 gm.
Powdered Gum Acacia . .	½ gr. = 0·032 gm.

Digest the creosote and curd soap in a water-bath till they combine, and when cold mass with the gum, and make one pill.

To be taken immediately after food.

This drug may also be conveniently prescribed in form of capsules containing from 1 to 5 m. = 0·059 to 0·31 c.c.

Pilula Ferri cum Digitale.

℞ Digitalis . . .	. 1½ gr. = 0·097 gm.
Arseniate of Iron . .	. ⅛ gr. = 0·008 gm.
Extract of Nux Vomica	. ¼ gr. = 0·016 gm.
Reduced Iron . .	. 2 gr. = 0·129 gm.
Glycerin of Tragacanth	. q.s.

Mix and make one pill.

Pilula Ferri cum Strychninâ.

℞ Sulphate of Iron .	. 1 gr. = 0·065 gm.
Sulphate of Strychnine	. $\frac{1}{30}$ gr. = 0·0022 gm.
Glycerin of Tragacanth	. q.s.

Mix and make one pill.

Pilula Guaiacol.

℞ Guaiacol . . .	. 1 m. = 0·059 c.c.
Powdered Curd Soap .	. 1 gr. = 0·065 gm.
Powdered Gum Acacia .	. ½ gr. = 0·032 gm.
Powdered Liquorice .	. 2 gr. = 0·129 gm.

Mix and make one pill, following the dircctions given for Pil. Creosoti.

To be taken immediately after food.

This drug may also be prescribed in the form of capsules containing 1–5 m. = 0·059 to 0·31 c.c.

Pilula Hydrargyri et Colocynthidis.

℞ Mercurial Pill . . . 2 gr. = 0·129 gm.
Compound Extract of Colocynth . . . . 2 gr. = 0·129 gm.
Extract of Henbane . . 1 gr. = 0·065 gm.
Mix and make one pill.

One or two pills at bedtime.

Pilula Hydrargyri cum Cretâ.

℞ Mercury with Chalk . . 2 gr. = 0·129 gm.
Compound Powder of Ipecacuanha . . . . 2 gr. = 0·129 gm.
Glycerin of Tragacanth . q.s.
Mix and make one pill.

Pilula Hydrargyri Iodidi.

℞ Green Iodide of Mercury . ½ gr. = 0·032 gm.
Opium in powder . . . ⅛ gr. = 0·008 gm.
Treacle . . . . q.s.
Mix and make one pill.

Pilula Nucis Vomicæ Cathartica.

℞ Extract of Nux Vomica . ¼ gr. = 0·016 gm.
Compound Extract of Colocynth . . . . } of each
Extract of Henbane . } 1¼ gr. = 0·081 gm.
Compound Rhubarb Pill. }
Mix and make one pill.

Dose, 1 or 2 pills at bedtime.

Pilula Picis.

℞ Liquid Tar . . . . . 2 gr. = 0·129 gm.
Powdered Tragacanth . . ⅓ gr. = 0·022 gm.
Powdered Liquorice . . 2½ gr. = 0·162 gm.
Mix and make one pill.

Pilula Podophylli.

℞ Resin of Podophyllum . . ⅙ gr. = 0·011 gm.
Extract of Henbane } of each
Compound Rhubarb Pill } 1½ gr. = 0·097 gm.
Powdered Capsicum . . ½ gr. = 0·032 gm.
Mix and make one pill.

Dose, 1 or 2 pills at bedtime.

Pilula Quininæ Salicylatis.

℞ Salicylate of Quinine . . 2 gr. = 0·129 gm.
Glucose . . . . . q.s.
Mix and make one pill.

Pilula Zinci cum Belladonna.

℞ Oxide of Zinc . . . 2 gr. = 0·129 gm.
Extract of Belladonna . . ⅛ gr. = 0·008 gm.
Glycerin of Tragacanth . q.s.
Mix and make one pill.

Dose, 1 or 2 pills at bedtime.

Pilula Zinci Valerianatis.

℞ Valerianate of Zinc . .	1 gr. = 0·065 gm.
Compound Pill of Asafœtida	2 gr. = 0·129 gm.

Mix and make one pill.

TROCHISCI—LOZENGES.

The Lozenges herein formulated are, with the exception of those containing Carbolic Acid, made with *fruit pastes* * in all cases where they are prescribed for their *immediate local effect.* When employed for their constitutional action, there is no objection to the hard consistence of the officinal lozenge.

Most of the lozenges contain from 70 to 80 per cent. of fruit paste in each, 1 to 2 per cent. of powdered Tragacanth, 4 per cent. of sugar, and a varying quantity of the medicament, according to the formulæ given.

The quantities prescribed below are sufficient to make one pound (or 453 grammes) of lozenges unless otherwise specified. They are prepared in the following manner:—The dry ingredients are mixed together and then the current paste is added until the whole mass weighs one pound. This is divided into 350 lozenges of 20 gr. (or 1·3 gm.) each, which are dried in a hot-air chamber at a moderate heat.

The patient should be directed to allow the lozenges

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* These are well-known articles of commerce, with which lozenge-manufacturers are quite conversant.

to dissolve passively in the mouth, and fluids should not be drunk for a short time after their use. Five or six may be used each day.

Many of these lozenges can also be prepared in the form of compressed tablets without the fruit paste, which materially lessens the cost of production. Such lozenges are marked thus †.

†Trochisci Acidi Benzoici.

℞ Benzoic Acid in powder	. 175 gr. = 11·34 gm.
Tragacanth in powder .	. 70 gr. = 4·54 gm.
Refined Sugar in powder	. 280 gr. = 18·14 gm.
Red Currant Paste .	. q.s.

Each lozenge contains about ½ grain of Benzoic Acid, and is marked B.A.

One Lozenge every four hours ; if used as a "voice lozenge," one should be taken a quarter of an hour before using the voice.

Use.—Stimulant.

†Trochisci Acidi Benzoici Compositi.

℞ Benzoic Acid in powder	. 175 gr. = 11·34 gm.
Codeine . . .	. 35 gr. = 2·27 gm.
Menthol . . .	. 35 gr. = 2·27 gm.
Ipecacuanha Powder .	. 35 gr. = 2·27 gm.
Hydrochloride of Cocaine	. 9 gr. = 0·58 gm.
Red Gum . . .	. 175 gr. = 11·34 gm.
Tragacanth in powder .	. 70 gr. = 4·54 gm.
Refined Sugar in powder	. 280 gr. = 18·14 gm.
Red Currant Paste .	. q.s.

These lozenges are marked C. B. A.

Use.—Stimulant and sedative.

Trochisci Acidi Carbolici.

℞ Pure Carbolic Acid	. 350 gr.	= 22·68 gm.
Gum Acacia in powder	. 220 gr.	= 14·25 gm.
Refined Sugar in powder	5468 gr. (12½ oz.)	= 354·32 gm.
Mucilage of Gum Acacia	. 1 oz.	= 28·35 c.c.
Distilled Water	. q.s.	

Mix the Carbolic Acid with the powders, add the Mucilage and water to form a mass weighing 1 lb. (or 453 grammes), and divide into 350 lozenges, and dry them in a hot-air chamber at a moderate heat.

Each lozenge contains about 1 gr. of Carbolic Acid, and is marked C. A.

Use.—Antiseptic and stimulant.

Trochisci Acidi Tannici.

℞ Tannic Acid in powder	. 525 gr.	= 34·02 gm.
Tragacanth in powder	. 70 gr.	= 4·54 gm.
Refined Sugar in powder	. 280 gr.	= 18·14 gm.
Black Currant Paste	. q.s.	

Each lozenge contains 1½ gr. of Tannic Acid, and is marked T.

Use.—Strong astringent.

†Trochisci Ammonii Chloridi.

℞ Chloride of Ammonium in powder . . .	700 gr. = 45·36 gm.
Tragacanth in powder .	140 gr. = 9·07 gm.
Refined Sugar in powder	280 gr. = 18·14 gm.
Black Currant Paste .	q.s.

Each lozenge contains about 2 gr. of Chloride of Ammonium, and is marked M. A.

Use.—Stimulant.

This lozenge readily deliquesces, and should therefore be kept in a dry place in a well-corked bottle.

†Trochisci Ammonii Chloridi Compositi.

℞ Chloride of Ammonium in powder . . .	350 gr. = 22·68 gm.
Chlorate of Potassium in powder . . .	700 gr. = 45·36 gm.
Cubebs in powder .	90 gr. = 5·83 gm.
Tragacanth in powder .	140 gr. = 9·07 gm.
Refined Sugar in powder	280 gr. = 18·14 gm.
Black Currant Paste .	q.s.

Each lozenge is marked C. M. A.

Use.—Stimulant.

This lozenge readily deliquesces, and should therefore be kept in a dry place in a well-corked bottle.

†Trochisci Boracis.

℞ Borax in powder .	. 1050 gr. = 68·04 gm.
Tragacanth in powder	. 140 gr. = 9·07 gm.
Refined Sugar in powder	. 280 gr. = 18·14 gm.
Black Currant Paste .	. q.s.

Each lozenge contains 3 gr. of Borax, and is marked B. O.

Use.—Sedative.

†Trochisci Catechu.

℞ Pale Catechu . . .	700 gr. = 45·36 gm.
Tragacanth in powder .	. 70 gr. = 4·54 gm.
Refined Sugar in powder	280 gr. = 18·14 gm.
Black Currant Paste .	q.s.

Each lozenge contains 2 gr. of Catechu, and is marked C. T.

Use.—Astringent.

†Trochisci Cocainæ.

℞ Hydrochloride of Cocaine	. 35 gr. = 2·27 gm.
Tragacanth in powder .	. 70 gr. = 4·54 gm.
Refined Sugar in powder	280 gr. = 18·14 gm.
Black Currant Paste .	q.s.

Each lozenge contains $\frac{1}{10}$ of a gr. of Cocaine, and is marked H. C.

Use · Analgesic

†Trochisci Cubebæ.

℞ Cubebs in powder . .	200 gr. =	12·96 gm.
Extract of Liquorice .	1225 gr. =	79·38 gm.
Tragacanth in powder . .	70 gr. =	4·54 gm.
Refined Sugar in powder	200 gr. =	12·96 gm.
Black Currant Paste .	q.s.	

Each lozenge contains about ½ gr. of Cubebs, and is marked C. B.

Dose.—One lozenge every 3 or 4 hours.

Use.—Astringent and stimulant.

†Trochisci Guaiaci.

℞ Guaiacum Resin in powder	700 gr. =	45·36 gm.
Tragacanth in powder . .	70 gr. =	4·54 gm.
Refined Sugar in powder	280 gr. =	18·14 gm.
Black Currant Paste .	q.s.	

Each lozenge contains 2 gr. of Guaiacum, and is marked G.

Use.—Antiphlogistic.

†Trochisci Krameriæ.

℞ Extract of Rha'any in powder . . .	1050 gr. =	68·04 gm.
Tragacanth in powder .	70 gr. =	4·54 gm.
Refined Sugar in powder	280 gr. =	18·14 gm.
Red Currant Paste . .	q.s.	

Each lozenge contains 3 gr. of Extract of Rhatany, and is marked R

Use.—Astringent.

Trochisci Orthoformi.

℞ Orthoform . . .	. 700 gr. =	45·36 gm.
Tragacanth in powder .	. 100 gr. =	6·48 gm.
Refined Sugar in powder	. 280 gr. =	18·14 gm.
Black Currant Paste .	. q.s.	

Each lozenge contains 2 gr. of Orthoform, and is stamped O.

Use.—Analgesic.

†Trochisci Potassii Chloratis.

℞ Chlorate of Potassium in powder . . .	. 1050 gr. =	68·04 gm.
Tragacanth in powder	. 140 gr. =	9·07 gm.
Refined Sugar in powder	. 280 gr. =	18·14 gm.
Black Currant Paste .	. q.s.	

Each lozenge contains 3 gr. of Chlorate of Potassium, and is marked P.

Use.—Stimulant.

†Trochisci Potassii Chloratis cum Borace.

℞ Chlorate of Potassium in powder . . .	. 525 gr. =	34·02 gm.
Borax in powder . . .	. 525 gr. =	34·02 gm.
Tragacanth in powder .	. 140 gr. =	9·07 gm.
Refined Sugar in powder	. 280 gr. =	18·14 gm.
Black Currant Paste .	. q.s.	

Each lozenge contains 1½ gr. of Chlorate of Potassium and of Borax, and is marked P. B.

Use.—Mild stimulant.

†Trochisci Sedativi.

℞ Extract of Opium in powder 35 gr. = 2·27 gm.
Tragacanth in powder . . 100 gr. = 6·48 gm.
Refined Sugar in powder . 280 gr. = 18·14 gm.
Black Currant Paste . . q.s.

Each lozenge contains $\frac{1}{10}$ gr. of Extract of Opium, and is marked S.

Use.—Sedative.

UNGUENTA—OINTMENTS.

Unguentum Acidi Salicylici.

℞ Salicylic Acid . . . 30 gr. = 2·06 gm.
Olive Oil . . . . 1 dr. = 3·75 c.c.
Lanolin . . . . to 1 oz. = 30 gm.
Mix.

Unguentum Atropinæ.

℞ Solution of Sulphate of Atropine . . . . . 1 dr. = 3·75 c.c.
Olive Oil . . . . $\frac{1}{2}$ dr. = 1·87 c.c.
Lanolin . . . . to 1 oz. = 30 gm.
Mix.

Use.—Sedative.

Unguentum Cocainæ.

℞ Cocaine	5 gr. = 0·34 gm.
Vaselin	1 oz. = 30 gm.

Mix.

Use.—Sedative.

Unguentum Hydrargyri Iodidi Rubri.

℞ Red Iodide of Mercury . . .	1 part.
Simple Ointment	9 parts.

Mix.

This ointment is three times stronger than that of the British Pharmacopœia. It should be made fresh whenever required for use.

Use.—Counter-irritant.

Unguentum Hydrargyri Nitratis Mitium.

℞ Weak Nitrate of Mercury Ointment, B.P.	½ oz. = 15 gm.
Vaselin	1 oz. = 30 gm.

Mix.

Use.—Detergent.

Unguentum Hydrargyri Oleati cum Morphina.

Sulphate of Morphine . .	2 gr. = 0·14 gm.
Mercuric Oleate Ointment .	½ oz. = 15 gm.
Vaselin	½ oz. = 15 gm.

Mix.

Use.—Sedative.

Unguentum Menthol.

℞ Menthol . . . . . 5 gr. = 0·34 gm.
Vaselin . . . . . 1 oz. = 30 gm.
Mix.

Use.—Sedative.

INHALATIONES—INHALATIONS.

Steam Inhalations.

In the subjoined formulæ the quantities of ingredients are generally prescribed for one ounce, an eighth part of which is added to a pint of water, at a temperature of from 130° to 140° F. (54·4 to 60·0° C.) for each inhalation. The water may be placed in a suitable-sized jug, and a towel wrapped round the top to form a cone which fits over the patient's face, or special inhalers, such as Maw's, Bullock's, or Mar indale's, may be used. They must be constructed so that inhalations can take place without effort.

The patient should inhale the medicated steam six to eight times a minute, breathing alternately through the mouth and nose, and taking long deep inspirations. This should be continued for from five to eight minutes, and repeated night and morning, or oftener if ordered. Inhalations should, as a rule, be used before meals, and in a warm room (about 60° F. or 15·6° C.), in which the patient should remain for at least half an hour afterwards.

Although formulæ are given for each medicament

the quantity of the volatile oil may be increased according to the circumstances of the case, and it is often desirable to combine several essential oils or other remedies in the same prescription.

In the case of most essential oils light Carbonate of Magnesium or Kaolin must be used to hold the oil in suspension, in the proportion of half a grain to each drop of the oil.

Vapori Acidi Acetici.

℞ Acetic Acid . . . . } of each
Glacial Acetic Acid . . } ½ oz. = 15 gm.
Mix.

Two teaspoonfuls in a pint of water at 140° F. or 60·0° C. for each inhalation.

Use.—Sedative.

Vapor Benzoicus.

℞ Benzoic Acid . . . . 3 gr. = 0·21 gm.
Kaolin . . . . . 12 gr. = 0·82 gm.
Rub together and add
Water . . . . . ½ oz. = 15 c.c.
Tincture of Tolu . . . 18 m. = 1·14 c.c.
Shake and make up the quantity with water . to 1 oz. = 30 c.c.

Use.—Sedative.

Vapor Tincturæ Benzoini.

℞ Compound Tincture of Benzoin 1 oz. = 30 c.c.

Use.—A most valuable sedative.

Vapor Cajuputi.

℞ Oil of Cajuput . . . 8 m. = 0·50 c.c.
Light Carbonate of Magnesium 4 gr. = 0·27 gm.
Water . . . . to 1 oz. = 30 c.c.
Mix.

Use.—Stimulant.

Vapor Calami Aromatici.

℞ Oil of Sweet Flag . . . 5 m. = 0·31 c.c.
Light Carbonate of Magnesium $2\frac{1}{2}$ gr. = 0·17 gm.
Water . . . . to 1 oz. = 30 c.c.
Mix.

Use.—A powerful stimulant.

Vapor Chloroformi.

℞ Chloroform . . . . } of each
Rectified Spirit . . . } $\frac{1}{2}$ oz. = 15 c.c.
Mix.

A teaspoonful to be added to a pint of water at a temperature of 100° F., or 37·8° C., and an additional teaspoonful to be added every five minutes during the time that the Inhalation is used. Not more than 3 teaspoonfuls to be used on any single occasion, except in the presence of a medical practitioner.

Use.—Sedative and antispasmodic.

Vapor Creosoti.

℞ Creosote	. . . .	80 m. = 5 c.c.
French Chalk	. . . .	30 gr. = 2·06 gm.
Water	. . . .	to 1 oz. = 30 c.c.

Mix.

Use.—Stimulant and antiseptic.

Vapor Cubebæ.

℞ Oil of Cubebs	. . .	40 m. = 2·5 c.c.
Light Carbonate of Magnesium	. . . . .	20 gr. = 1·37 gm.
Water	. . . .	to 1 oz. = 30 c.c.

Mix.

Use.—Stimulant.

Vapor Cubebæ cum Limone.

℞ Oil of Cubebs	. . .	½ dr. = 1·87 c.c.
Oil of Lemons	. . .	10 m. = 0·62 c.c.
Light Carbonate of Magnesium	. . . . .	20 gr. = 1·37 gm.
Water	. . . .	to 1 oz. = 30 c.c.

Mix.

Use.—Stimulant.

Vapor Eucalypti.

℞ Oil of Eucalyptus	. . .	20 m. = 1·25 c.c.
Light Carbonate of Magnesium	. . . . .	10 gr. = 0·69 gm.
Water	. . . .	to 1 oz. = 30 c.c.

Mix.

Use.—Stimulant.

Vapor Menthol.

℞ Menthol . . . . . 16 gr. = 1·1 gm.
Rectified Spirit . . . 2 dr. = 7·5 c.c.
Light Carbonate of Magnesium . . . . . 8 gr. = 0·55 gm.
Water . . . . . to 1 oz. = 30 c.c.
Dissolve and mix.

One teaspoonful to a pint of water at 100° F. or 37·8° C.

Use.—Sedative.

Vapor Myrti.

℞ Oil of Myrtle . . . . 6 m. = 0·37 c.c.
Light Carbonate of Magnesium . . . . . 6 gr. = 0·41 gm.
Water . . . . to 1 oz. = 30 c.c.
Mix.

Use.—Stimulant.

Vapor Pini Sylvestris.

℞ Oil of Scotch Pine . . . 40 m. = 2·5 c.c.
Light Carbonate of Magnesium . . . . . 20 gr. = 1·37 gm.
Water . . . . to 1 oz. = 30 c.c.
Mix.

Use.—A mild stimulant.

Vapor Terebenæ.

℞ Terebene, pure . . .	40 m. = 2·5 c.c.
Light Carbonate of Magnesium	20 gr. = 1·37 gm.
Distilled Water . .	to 1 oz. = 30 c.c.

Mix.

Use.—Stimulant.

Vapor Thymol.

℞ Thymol	6 gr. = 0·41 gm.
Rectified Spirit . . .	1 dr. = 3·75 c.c.
Light Carbonate of Magnesium	3 gr. = 0·21 gm.
Water	to 1 oz. = 30 c.c.

Dissolve and mix.

Use.—A strong stimulant.

VAPORES SICCI—DRY INHALATIONS.

Any of the volatile oils, or Thymol, Menthol, &c., may be used as dry inhalations. It is not necessary to repeat all the formulæ, as they may be prescribed in the same doses as for hot Inhalations; but, instead of mixing the oil with light Carbonate of Magnesium, it should be dissolved in Spirit. They are best used by means of a respirator.

The following formulæ are examples:

Vapor Cinnamoni Siccus.

℞ Oil of Cinnamon	. .	120 m. = 7·5 c.c.
Rectified Spirit	. .	to 1 oz. = 30 c.c.
Mix.		

Vapor Creosoti Siccus.

℞ Creosote	. . .	80 m. = 5 c.c.
Rectified Spirit	. .	to 1 oz. = 30 c.c.
Mix.		

Vapor Eucalypti Siccus.

℞ Oil of Eucalyptus	. .	80 m. = 5 c.c.
Rectified Spirit	. .	to 1 oz. = 30 c.c.
Mix.		

The following are also useful dry inhalations:

Vapor Ammoniæ.

℞ Liquid Carbolic Acid . .	1 dr. = 3·75 c.c.
Carbonate of Ammonium .	2 dr. = 7·5 gm.
Powdered Wood Charcoal .	2 dr. = 7·5 gm.
Compound Tincture of Benzoin	1 dr. = 3·75 c.c.
Oil of Lavender . . .	6 m. = 0·37 c.c.
Strong Solution of Ammonia .	3 dr. = 11·25 c.c.
Mix.	

Vapor Ammonii Chloridi.

This inhalation is made by combining the Vapours of Ammonia and Hydrochloric Acid in one of the many forms of inhalers sold for the purpose.

SPECIAL FORMULÆ FOR CHILDREN.

These formulæ are intended for children only, and are accordingly made up to teaspoonful doses. The quantities in each formula are suitable for a child of three years of age.

Unless otherwise directed, the dose is one teaspoonful three times a day.

Mistura Aluminis Composita.

℞ Alum	1 gr. =	0·07 gm.
Compound Tincture of Camphor	5 m. =	0·31 c.c.
Ipecacuanha Wine . .	2 m. =	0·12 c.c.
Camphor Water . . .	20 m. =	1·25 c.c.
Dill Water . . .	to 1 dr. =	3·75 c.c.

Dissolve and mix.

Mistura Ammonii cum Ipecacuanha.

℞ Ipecacuanha Wine . .	2 m. =	0·12 c.c.
Solution of Acetate of Ammonium	15 m. =	0·94 c.c.
Carbonate of Ammonium .	½ gr. =	0·034 gm.
Syrup of Tolu . . .	10 m. =	0·62 c.c.
Water	to 1 dr. =	3·75 c.c.

Dissolve and mix.

To be given every four hours.

Mistura Carminativa.

℞ Bicarbonate of Sodium . .	2 gr. =	0·14 gm.
Aromatic Spirit of Ammonia .	2 m. =	0·12 c.c.
Spirit of Chloroform . .	1 m. =	0·06 c.c.
Caraway Water . .	to 1 dr. =	3·75 c.c.

Dissolve and mix.

Mistura Cascaræ Composita.

℞ Liquid Extract of Cascara Sagrada	15 m. =	0·94 c.c.
Glycerin	15 m. =	0·94 c.c.
Liquid Extract of Liquorice .	5 m. =	0·31 c.c.
Tincture of Nux Vomica .	1½ m. =	0·09 c.c.
Tincture of Belladonna . .	2 m. =	0·12 c.c.
Water	to 1 dr. =	3·75 c.c.

Mix.

Mistura Ferri Alkalina.

℞ Wine of Citrate of Iron .	45 m. =	2·81 c.c.
Solution of Potash . .	3 m. =	0·19 c.c.
Spirit of Chloroform . .	2 m. =	0·12 c.c.
Glycerin . . .	to 1 dr. =	3·75 c.c.

Mix.

Mistura Ipecacuanha Composita.

℞ Citrate of Potassium	2 gr. =	0·14 gm.
Ipecacuanha Wine	1½ m. =	0·09 c.c.
Syrup of Tolu	5 m. =	0·31 c.c.
Tincture of Squills	2 m. =	0·12 c.c.
Compound Tincture of Camphor	4 m. =	0·25 c.c.
Water	to 1 dr. =	3·75 c.c.

Dissolve and mix.

To be given every four hours.

Mistura Olei Morrhuæ.

℞ Cod-liver Oil	30 m. =	1·87 c.c.
Glycerin	6 m. =	0·37 c.c.
Saccharated Solution of Lime	2 m. =	0·12 c.c.
Water	to 1 dr. =	3·75 c.c.

Mix.

To be given immediately after meals.

Mistura Olei Morrhuæ et Hypophosphis.

℞ Hypophosphite of Sodium	1 gr. =	0·07 gm.
Hypophosphite of Calcium	1 gr. =	0·07 gm.
Cod-liver Oil	30 m. =	1·87 c.c.
Powdered Acacia	6 gr. =	0·41 gm.
Oil of Cassia	⅛ m. =	0·008 c.c.
Powdered Tragacanth	½ gr. =	0·04 gm.
White Sugar	5 gr. =	0·34 gm.
Water	to 1 dr. =	3·75 c.c.

Dissolve and mix.

To be given immediately after meals.

Mistura Olei Morrhuæ cum Ferro.

℞ Compound Syrup of Phosphate of Iron . . . 20 m. = 1·25 c.c.
Cod-liver Oil . . . to 1 dr. = 3·75 c.c
Mix.

To be given immediately after meals.

Mistura Rhei.

℞ Powdered Rhubarb . . 2 gr. = 0·14 gm.
Carbonate of Magnesium . 3 gr. = 0·21 gm.
Syrup of Ginger . . . 8 m. = 0·5 c.c.
Caraway Water . . to 1 dr. = 3·75 c.c.
Dissolve and mix.

Pulvis Hydrargyri et Sodii.

℞ Mercury and Chalk . . 2 gr. = 0·14 gm.
Bicarbonate of Sodium . 2 gr. = 0·14 gm.
Carbonate of Magnesium . 5 gr. = 0·32 gm.
Mix.

To be given at bedtime.

DIET TABLE.

FULL DIET:

Bread	12 oz. =	360 gm.
Potatoes	8 oz. =	240 gm.
Meat * (Roast or Boiled Leg or Shoulder of Mutton, or Roast Beef), for Males	5 oz. =	150 gm.
for Females	3 oz. =	90 gm.
Milk	1 pt. =	600 c.c.
Milk Pudding	6 oz. =	180 gm.
Butter	1 oz. =	30 gm.

FISH DIET:

Bread	10 oz. =	300 gm.
Potatoes	8 oz. =	240 gm.
Fish *	10 oz. =	300 gm.
Milk	1½ pt. =	900 c.c.
Butter	1 oz. =	30 gm.
Soup	1 pt. =	600 c.c.
Milk Pudding	6 oz. =	180 gm.

MILK DIET:

Milk	2 pts =	1200 c.c.
Beef Tea	1 pt. =	600 c.c.
Egg	1	
Bread	6 oz. =	180 gm.
Butter	1 oz. =	30 gm.
Milk Pudding	6 oz. =	180 gm.

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* The meat or fish is weighed when cooked; full allowance being made for bone.

CHILDREN'S DIET:

Bread	7 oz. =	210 gm.
Potatoes	6 oz. =	180 gm.
Meat *	2 oz. =	60 gm.
Milk	2 pts. =	1200 c.c.
Milk Pudding . . .	4 oz. =	120 gm.

EXTRAS:

Mutton Chops, Beef Steaks, Fish — when specially ordered; in addition to particular diets.

Beef Tea. Meat to the pint . .	16 oz. =	480 gm. to 600 c.c.
Mutton Broth. Meat to the pint . .	10 oz. =	300 gm. to 600 c.c.
Veal Broth. Meat to the pint . .	10 oz. =	300 gm. to 600 c.c.

Bread, Milk — in addition to Diet quantities

Watercress	Spirits
Wines	Lemonade
Eggs	Aërated Water
Rusks	Coffee
Porter	Cocoa
Ale	Gruel
	Oatmeal Porridge
	Arrowroot

* The meat is weighed when cooked; full allowance being made for bone.

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September 1901.

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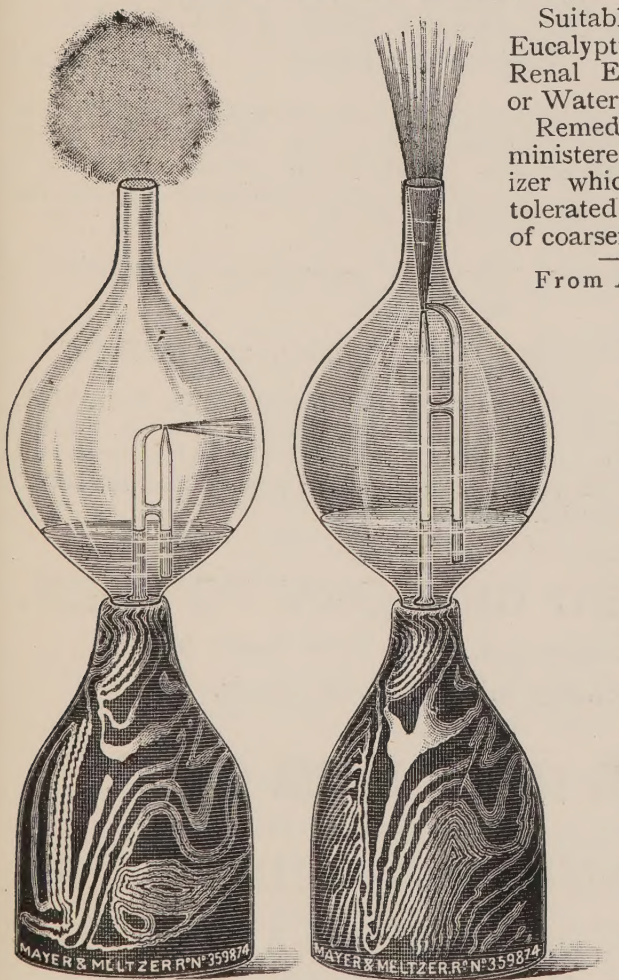

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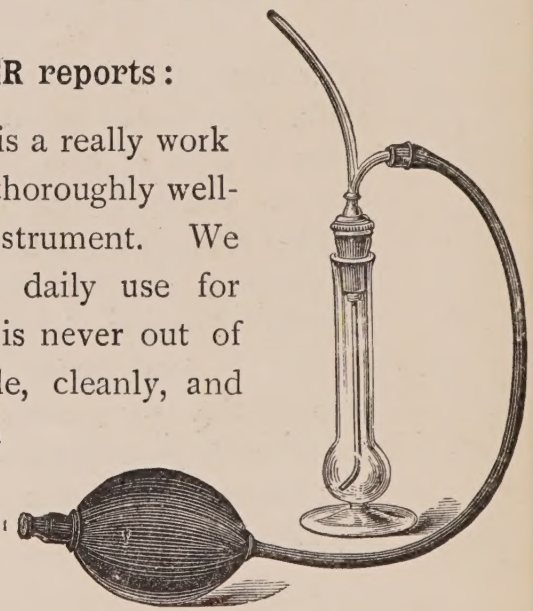

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